

Environmental Council (UK)

Topic: Dealing with trash flotillas and the Trash Vortex in the Pacific Ocean.

Main Idea:

1. How the gyre formed in the ocean.
2. Stop throw the trash in the ocean; find other ways to solve it.
3. This topic is important because this will make the animals and plants that live in ocean die, and it will affect the people's life.

Detail of each Idea:

For the Idea 1:

- Now there is a trash gyre in the center of the Pacific Ocean. If we continue throw the trash in the Pacific Ocean, the trash circle will add bigger and bigger.
- Now, we need find a way to solve this trash gyre. We can't pick all the trash up, because the circle is big like France. We can't pick trash in Ocean, which is big like Texas (696, 241 miles²), it is impossible.
- How this gyre formed: "this gyre is one of the largest ocean realms on Earth, and one of five major subtropical gyres on the planet. Each subtropical gyre is created by mountainous flows of air moving from the tropics toward the Polar Regions. The air in the North Pacific subtropical gyre is heated at the equator and rises high into the atmosphere because of its buoyancy in cooler, surrounding air masses. The rotation of the Earth on its axis moves the heated air mass westward as it rises, then eastward once it cools and descends at around 30 degrees north latitude, creating a huge, clockwise-rotating mass of air see map at right."
- For the last quote: gyre is the huge amount of water moving slowly in a circle. This gyre formed is not because of human, it is because of nature. There are at least four others on Earth.
- If we solve one ocean's gyre, we can solve other gyre in the world. And if we don't solve it, it will be a big problem for Earth.

For the Idea 2:

- If we continued to throw the trash in the ocean, it will make the gyre bigger. The correct way to solve it stop throws the trash in there. But, how to stop it?
- I think this is not the common people lived in country false. It is the factory that throws trash into oceans false. So, the government of the country should tell the factory that stop throw the trash into ocean. If they throw trash into ocean, their factory will be close, and never work again. Also, they need pay for the fine.
- Beside to throw the trash into the ocean, which way wills we to solve this trash? For the common people in the country, you need organized the trash, like the recycle trash need throw in the green trash bin; the not recycle trash need throw in red trash bin. If the common people didn't throw the trash in

correct way, that people will pay for the fine. Then, the factory of the trash need recycle the trash that they can.

- If the trash that it is not can recycle, like the plastic water bottle, the toilet paper. The scientists need find some way to make it recycle (UN need find scientist to explore it). Like some trash, after we fix it, it can be a part of car. Or some unrecyclable trash can send to school, and the student in the school can direct it and make it a good thing.

For the Idea 3:

- Of course that if the trash gyre continue doing this, it will hurt the animals and planets that live in the ocean. Some bacterial that live in ocean will die, because it does not have enough sunlight (the trash block the sunlight) to live. If the animals in the ocean die, the fisherman can't get fish. If a lot of fisherman can't get fish, the economy of the country will be low and become poor. Then the people live in country will not have food to eat. This chain phenomenon will make the people become extinct on the Earth same like hundreds years ago, the dinosaurs extinct.

Website:

- <http://www.mindfully.org/Plastic/Ocean/Moore-Trashed-PacificNov03.htm>
- http://en.wikipedia.org/wiki/Great_Pacific_Garbage_Patch
- <http://seaplexscience.com/>